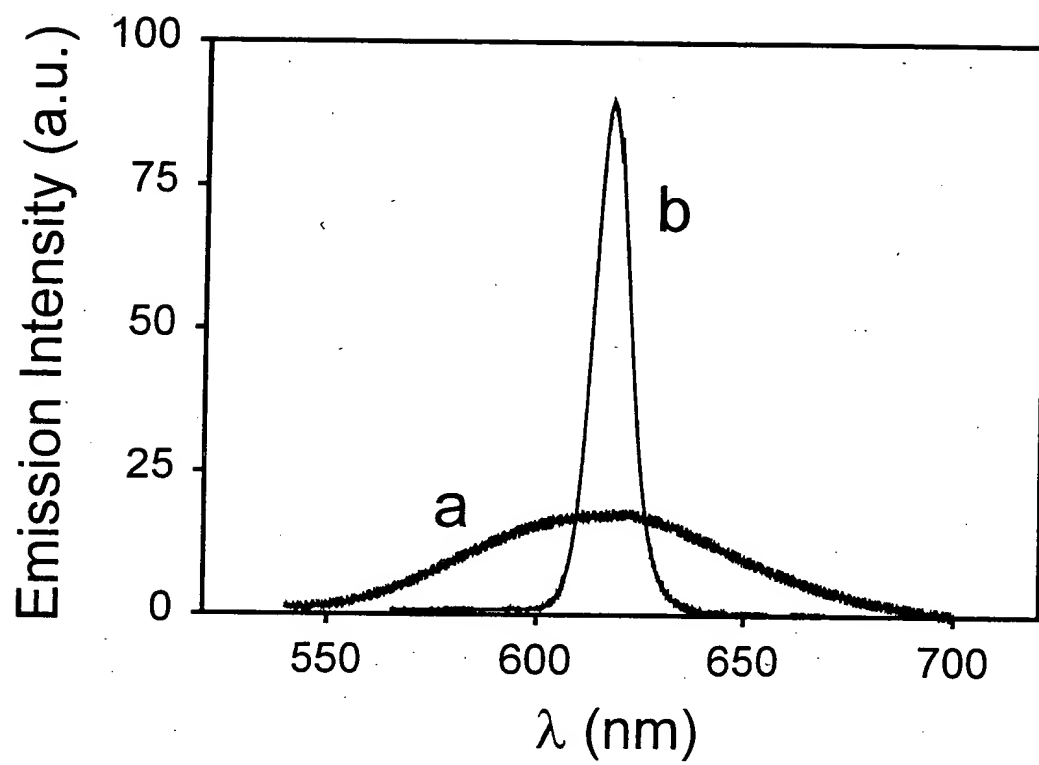
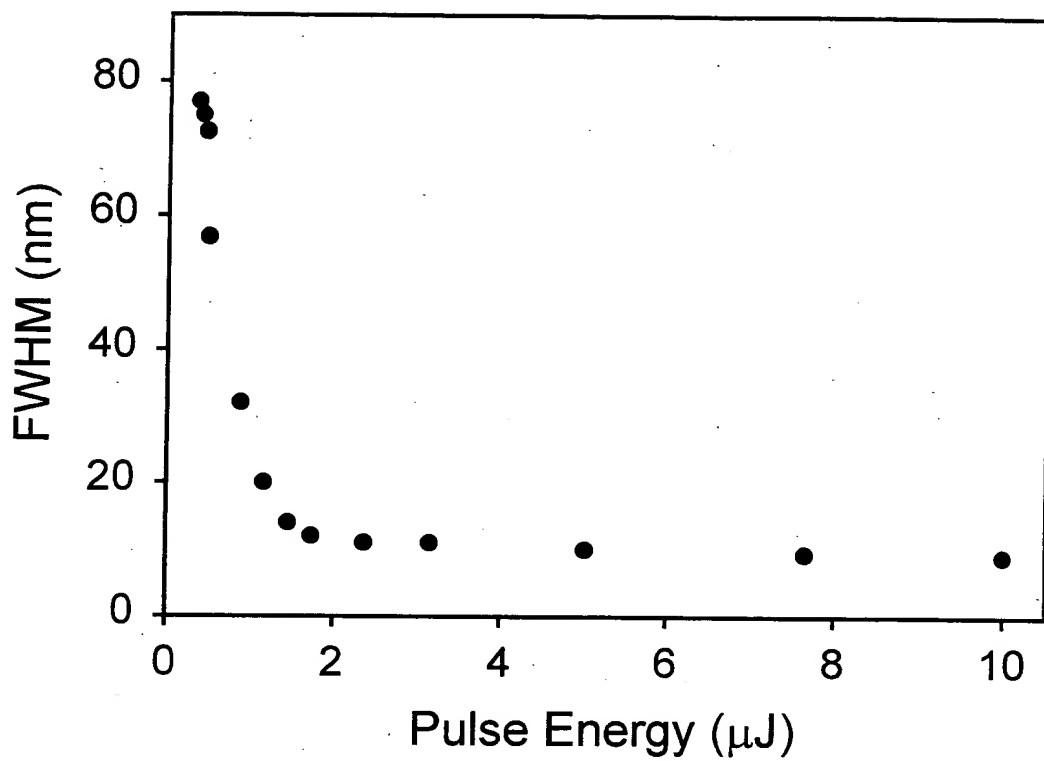


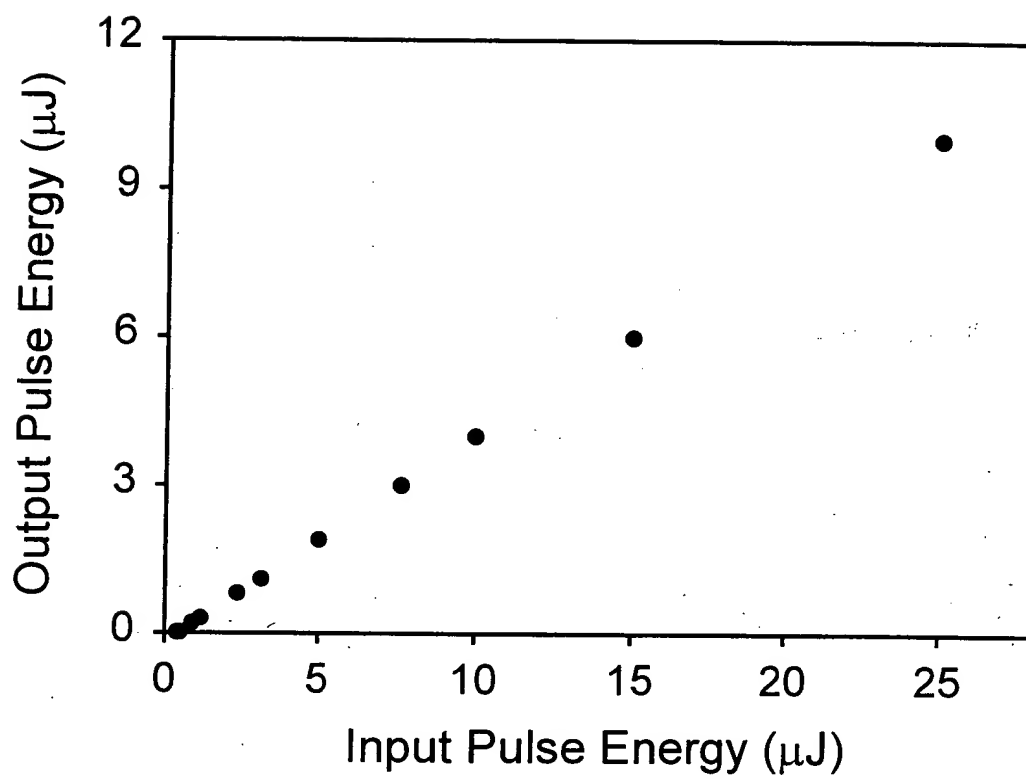
**Figure 1**



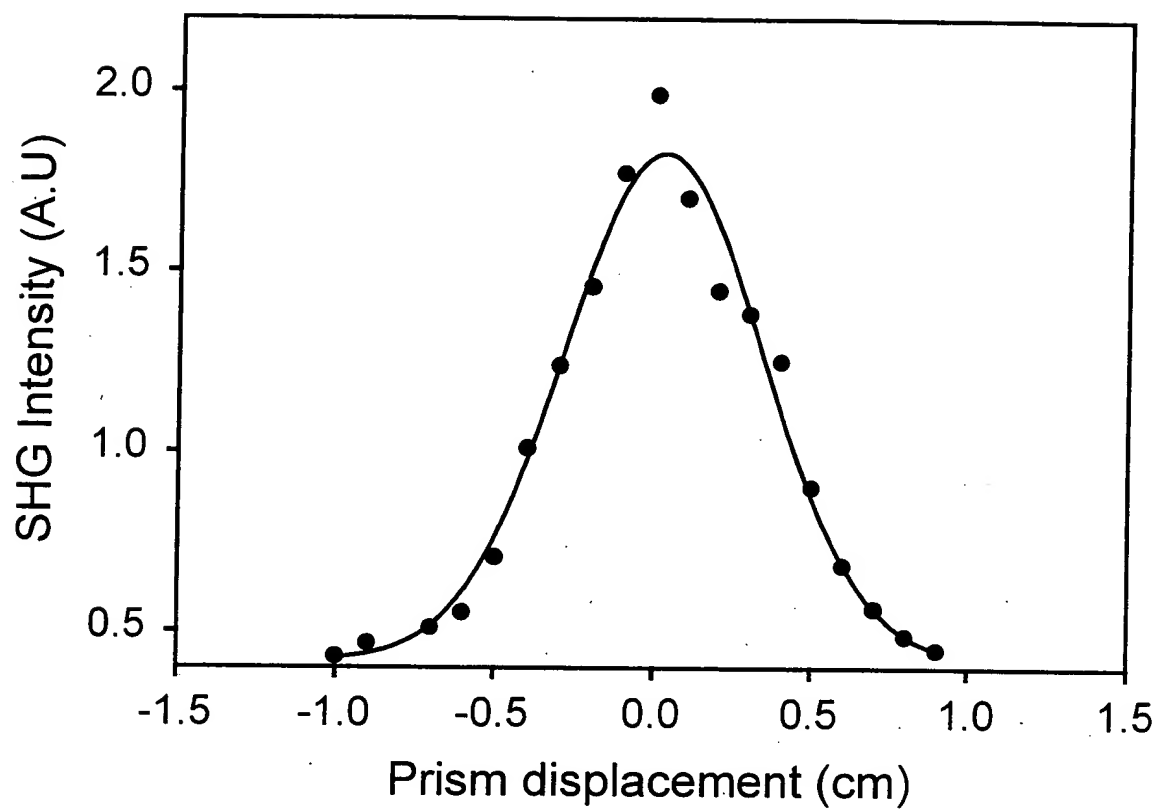
**Figure 2**



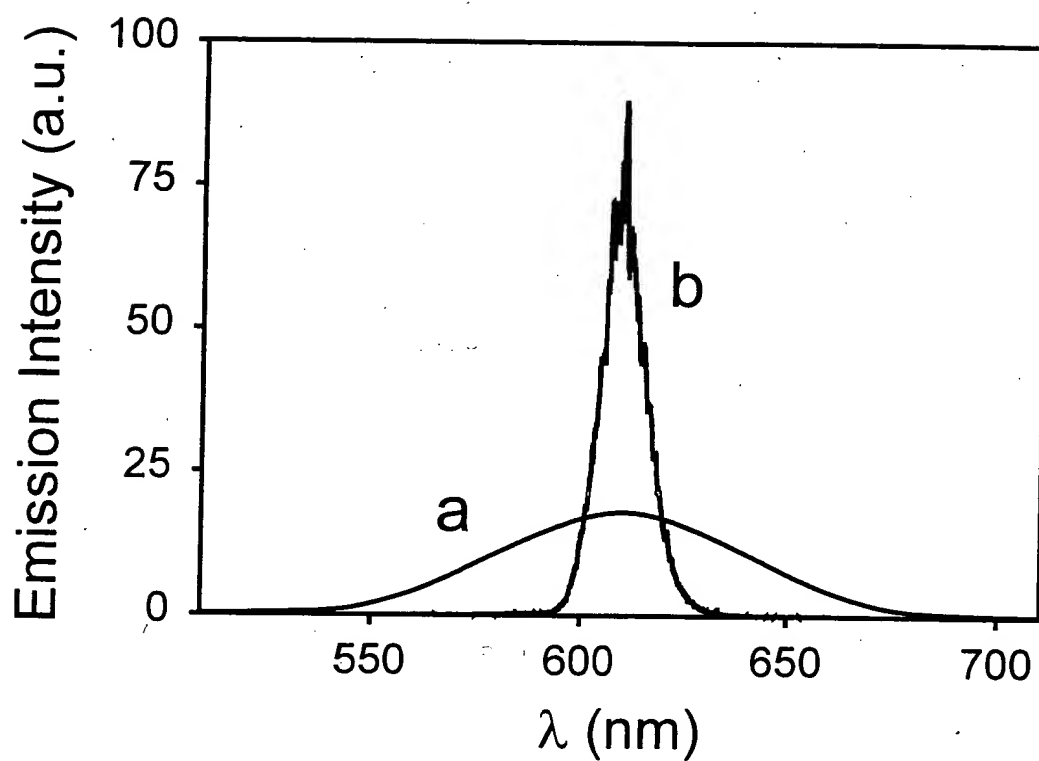
**Figure 3**



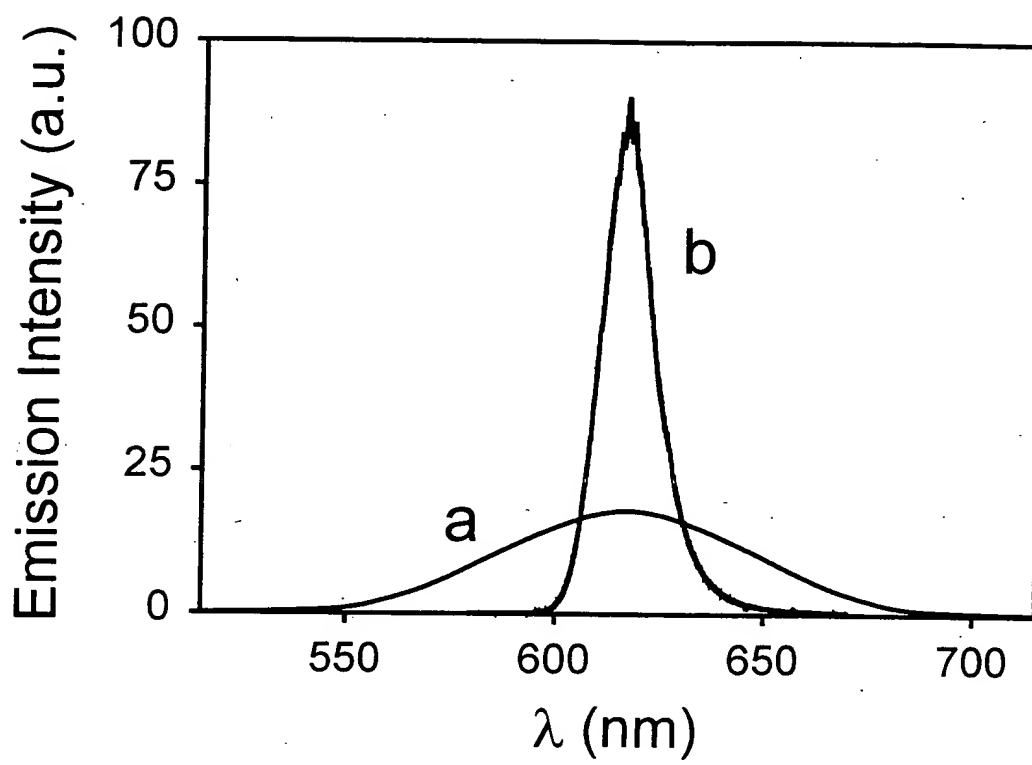
**Figure 4**



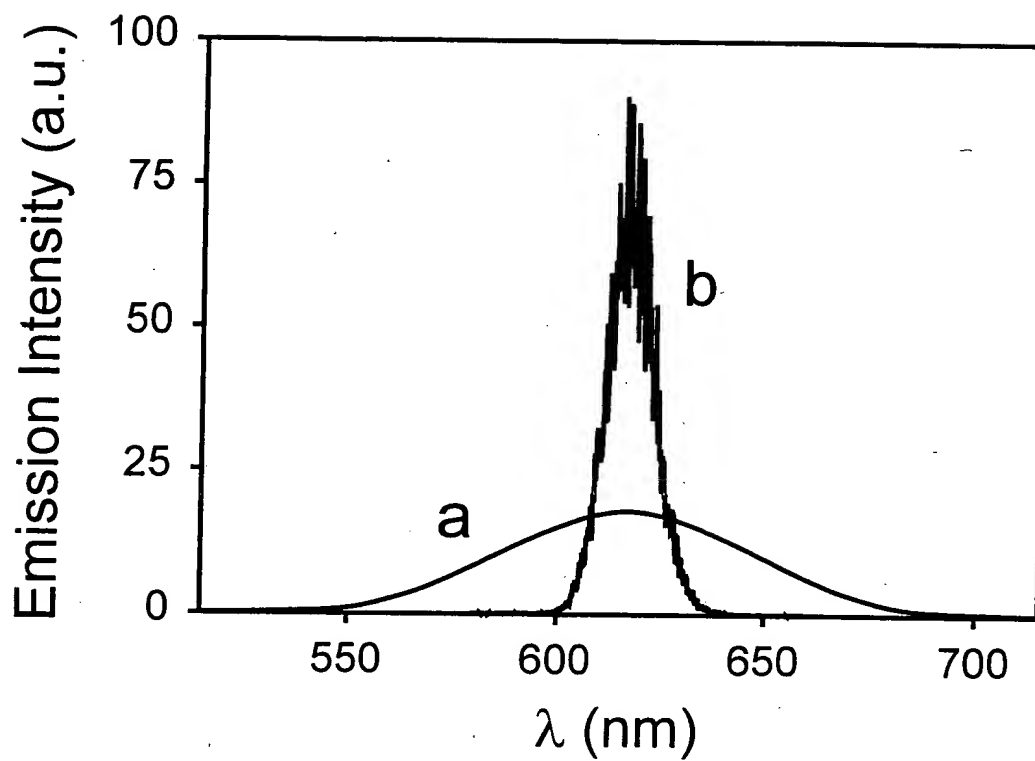
**Figure 5**



**Figure 6**

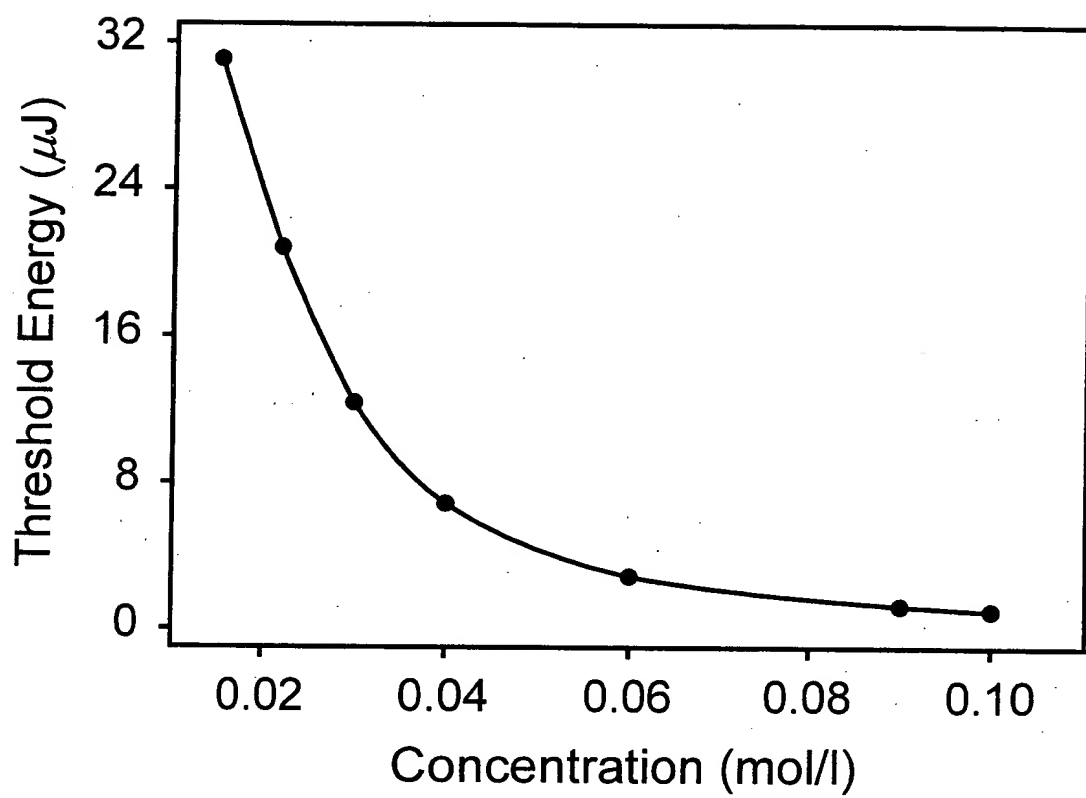


**Figure 7**

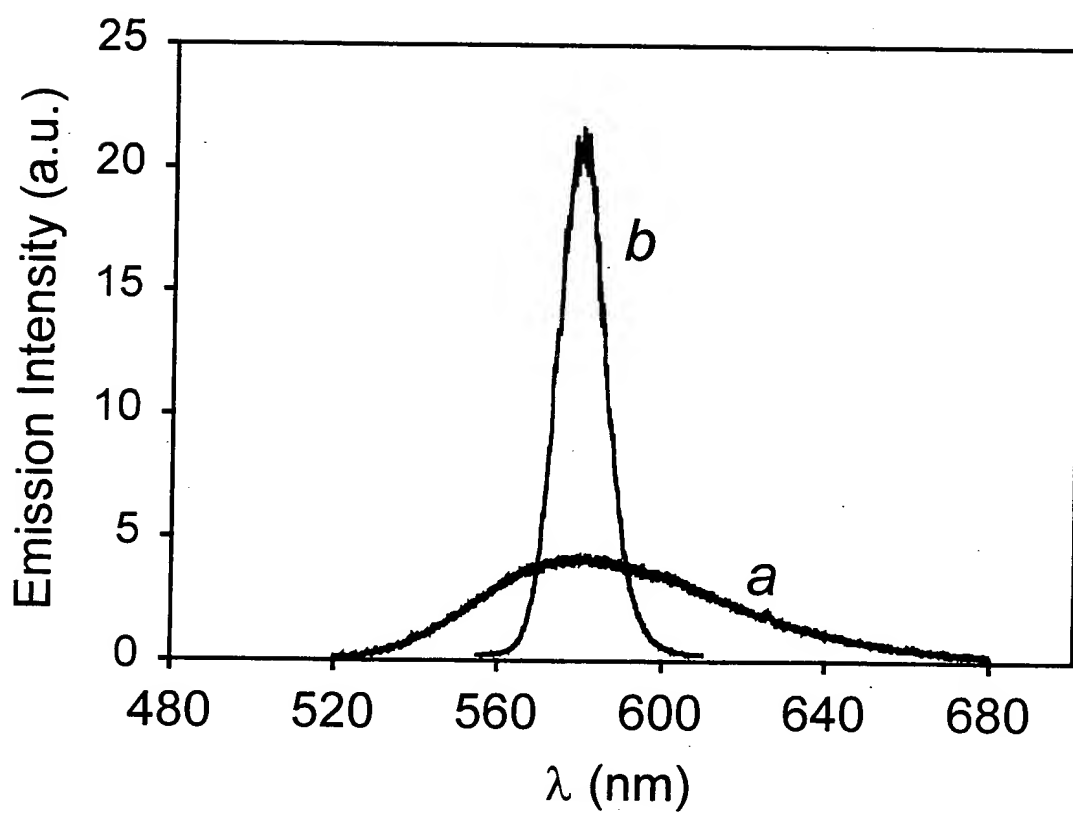


**Figure 8**





**Figure 9**



**Figure 10**

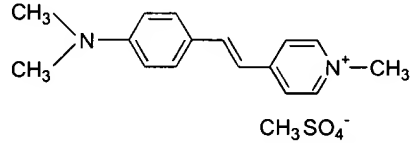
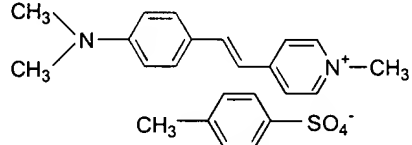
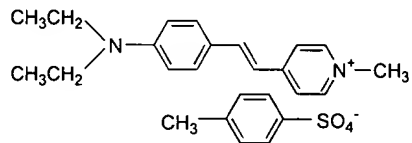
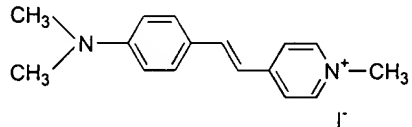
Name	Chemical Formula
Styrylpyridinium cyanine dye (SPCD)	 <chem>CN(C)c1ccc(C=Cc2cc[n+](C)c2)cc1.[O-]S(=O)(=O)C</chem>
4'-dimethylamino- <i>N</i> -methyl-4-stilbazolium tosylate (DAST)	 <chem>CN(C)c1ccc(C=Cc2cc[n+](C)c2)cc1.[O-]S(=O)(=O)c3ccc(C)cc3</chem>
4'-diethylamino- <i>N</i> -methyl-4-stilbazolium tosylate (DEST)	 <chem>CCN(CC)c1ccc(C=Cc2cc[n+](C)c2)cc1.[O-]S(=O)(=O)c3ccc(C)cc3</chem>
4'-dimethylamino- <i>N</i> -methyl-4-stilbazolium iodide (DASPI)	 <chem>CN(C)c1ccc(C=Cc2cc[n+](C)c2)cc1.[I-]</chem>

Figure 11

Material	Solvent	$\lambda_{\text{pump}}$ (nm)	$\lambda_{\text{PL}}$ (nm)		Energy Threshold ( $\mu\text{J/pulse}$ )	Final Linewidth (nm)	Conversion Efficiency (%)
DTTC <sup>a</sup> (ref. 1)	Methanol	694	798	>50	-	13-18	3
Coumarin 47 <sup>b</sup> (ref. 14)	Ethanol	355	451	>70	200	-	2.8
Coumarin 120 <sup>b</sup> (ref. 14)	Ethanol	355	439	72	200	-	2.3
TOP-PPV <sup>b</sup> (ref. 14)	Hexane	355	449	80-90	100	7	6.8
MEH-PPV <sup>b</sup> (ref. 13)	Xylene/ CHCl <sub>3</sub>	532	600	large	180	7	0.5
DCM <sup>a</sup> (10 <sup>-3</sup> mol/l)	Methanol	532	641	60-70	8	10	25
R6G <sup>a</sup> (10 <sup>-3</sup> mol/l)	Methanol	532	570	~70	1.5	10	30
SPCD <sup>a</sup> (0.1 mol/l)	Methanol	532	620	0.3	<1	10	40

<sup>a</sup>Measured without any external mirrors.

<sup>b</sup>Measured with an external resonator cavity.

**Figure 12**

Material	Solvent	$\lambda_{\text{pump}}$ (nm)	$\lambda_{\text{PL}}$ (nm)		Energy Threshold ( $\mu\text{J/pulse}$ )	Final Linewidth (nm)	Conversion Efficiency (%)
DTTC <sup>a</sup> (ref. 1)	Methanol	694	798	>50	-	13-18	3
Coumarin 47 <sup>b</sup> (ref. 14)	Ethanol	355	451	>70	200	-	2.8
Coumarin 120 <sup>b</sup> (ref. 14)	Ethanol	355	439	72	200	-	2.3
TOP-PPV <sup>b</sup> (ref. 14)	Hexane	355	449	80-90	100	7	6.8
MEH-PPV <sup>b</sup> (ref. 13)	Xylene/ $\text{CHCl}_3$	532	600	large	180	7	0.5
DCM <sup>a</sup> ( $10^{-3}$ mol/l)	Methanol	532	641	60-70	8	10	25
R6G <sup>a</sup> ( $10^{-3}$ mol/l)	Methanol	532	570	$\sim 70$	1.5	10	30
SPCD <sup>a</sup> (0.1 mol/l)	Methanol	532	620	0.3	<1	10	40

<sup>a</sup>Measured without any external mirrors.

<sup>b</sup>Measured with an external resonator cavity.

**Figure 13**